

Appendix E

Communications Equipment

Note: Data contained in this appendix are provided for information. The information given here should be verified before being used operationally.

Table E-1. Aircraft Communication Equipment.

Aircraft Type	Radios	Frequency Band ¹	Frequency Hopping	Secure Capability
AH-1W	2-AN/ARC-182 or 2-AN/ARC-210	Multiple ² UHF/VHF-FM	No HAVE QUICK II (UHF) SINGARS (VHF-FM)	KY-58 KY-58
UH-1N	1-AN/ARC-114	VHF-FM	No	KY-58
	1-AN/ARC-159	UHF-AM	No	KY-58
	1- AN/ARC-182	Multiple ²	No	KY-58
UH-1N CDNU	3-AN/ARC-210	VHF-AM VHF-FM UHF-AM 1-SATCOM	HAVE QUICK II SINGARS	KY-58
OH-58D (Kiowa Warrior)	1-AN/ARC-199	HF	No	KY-75
	1-AN/ARC-201	VHF	SINGARS (FM)	KY-58
	1-AN/ARC-164	UHF	HAVE QUICK II	KY-58
	2-AN/ARC-201	UHF-FM	SINGARS	KY-58
AH-64	1-AN/ARC-164	UHF	HAVE QUICK I	KY-58
	2-AN/ARC-186	VHF ³	SINGARS (FM)	KY-58

**Table E-1. Aircraft Communication Equipment
(continued).**

Aircraft Type	Radios	Frequency Band ¹	Frequency Hopping	Secure Capability
AC-130	2-AN/ARC-164	UHF	HAVE QUICK II	KY-58
	1-AN/ARC-164	SATCOM		KY-58
	3-AN/ARC-186	VHF ³		KY-58
	2-AN/ARC-190	HF		KY-58 KY-75
AV-8B	2-AN/ARC-182	Multiple ²	No	KY-58
F-14	1-AN/ARC-182	Multiple ²	HAVE QUICK II	KY-58
	1-AN/ARC-59	UHF	No	KY-58
F-15E	2-AN/ARC-164	UHF	HAVE QUICK II	KY-58
F-16	1-AN/ARC-182	UHF	HAVE QUICK II	KY-58
	1-AN/ARC-164	VHF ³	No	
F/A-18 ⁴	2-AN/ARC-182	Multiple ²	No	KY-58
	2-AN/ARC-210	VHF UHF	HAVE QUICK II	KY-58

Legend:
FM: frequency modulation
AM: amplitude modulation
SATCOM: satellite communications
HF: high frequency

Notes:
¹Frequency bands are as follows:
HF: 2.000 - 29.999 MHz in 1-kHz increments.
VHF-FM: 29.950 - 87.975 MHz in 25-kHz increments.
VHF-AM: 108.000 - 151.975 MHz in 25-kHz increments.
UHF: 225.000 - 399.975 MHz in 25-kHz increments.
²The AN/ARC-182 is a multiband radio that operates in any one of four bands: standard VHF-FM, VHF-AM, UHF, or 156.0-173.975 MHz VHF-FM. It can monitor only one band at a time.
³The AN/ARC-186 operates either in the VHF-AM or VHF-FM band. Each radio can monitor only one band at a time.
⁴F/A-18s are fitted with either two AN/ARC-182 radios or two AN/ARC-210 radios.

Table E-2. Tactical Air Control Party/Forward Air Controller Communications Equipment.

		Frequency	Frequency	Secure
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Close Air Support ————— E - 3

Component	Radios	Band ¹	Hopping	Capability
U.S. Army FIST	AN/PRC-77 ²	VHF-FM		Yes
	AN/PRC-117			
	AN/VRC-12			
	AN/VRC-24			
U.S. Air Force TACP	AN/GRC-206	HF		Yes
		VHF-FM		Yes
		VHF-AM		Yes
		UHF	HAVE QUICK II	Yes
	AN/PRC-77 ²	VHF-FM		Yes
	AN/PRC-117	VHF-FM	Yes	
	AN/PRC-104	HF		Yes
		VHF-AM		Yes
USMC TACP	AN/PRC-113	UHF	HAVE QUICK II	Yes
	AN/PRC-77 ²	VHF-FM		Yes
	AN/PRC-119	VHF-FM	Yes	
	AN/PRC-104	HF		Yes
	AN/PRC-113	VHF-AM		
		UHF		
SOF SOTAC	AN/VRC-12	VHF-FM		
		VHF-FM		Yes
	AN/PRC-117D	VHF ³		Yes
		UHF ⁴		Yes
	AN/PRC-126	VHF-FM		Yes
	LST-5	UHF SATCOM		Yes

Legend:

FIST: fire support team

SOTAC: special operations terminal attack controller

Notes:

¹Frequency bands for ground radios are as follows:

HF: 2.000 - 29.999 MHz in 1-kHz increments.

VHF-FM: 29.950 - 75.950 MHz in 50-kHz increments.

VHF-AM: 116.000 - 149.975 MHz in 25-kHz increments.

UHF: 225.000 - 399.975 MHz in 25-kHz increments.

²The AN/PRC-77 is being phased out of use.

³The AN/PRC-117D VHF-AM/FM frequency range is 116.000 - 173.995 MHz.

⁴The AN/PRC-117D UHF-AM/FM frequency range is 225.000 - 419.995 MHz.